



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RB PWC58104
Job Sheet 178432



SHIP

713

Part No: RB PWC58104	Job Qty: 1 ea
Part Name: Wrench	
Part Weight: 0 lbs	Status: Scheduled
Job Created: 5/31/18	Job Tracking No:
Due Date: 7/10/18	Created By: Logan David
Type: SOLD	Description:
Note: DWG RB PWC58104 Rev. 0 IPP Rev. A 18.05.24 new issue DP Verify DD	
Ship Via:	

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	7/10/18	7/10/18	0.00	0.00	Start Up Small Fab-2		MCC
110	Small Fab	1 pcs	7/10/18	7/10/18	0.00	1.00	Small Fab-3		MCC DAS 38
120	QC	1 pcs	7/10/18	7/10/18	0.00	0.00	QC5		38
130	Packaging	1 pcs	7/10/18	7/10/18	0.00	0.00	Packaging3-1		SAR-0713 GA
140	QC21-FG	1 Ea	7/10/18	7/10/18	0.00	0.00	QC21		

Part Op 110 - 1-Assemble as per DWG.
Descriptions: 130 - Bag and tag.

DAS
53
9-89

JUL 13 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
98381A503	Dowel Pin	1 Ea (1 ea)	90-Start up Operation	5077703
RB PWC58104-1	Block	1 Ea (1 ea)	90-Start up Operation	2090772
RB PWC58104-3	Strap	1 Ea (1 ea)	90-Start up Operation	2091242

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	98381A503	1	50	0
	RB PWC58104-1	1	0	0
	RB PWC58104-3	1	0	0

178433

178434

180712

Part Specifications

Specifications could not be found.

Plex 7/10/18 2:18 PM dart.logan.david



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Container No: S091277



Part: RB PWC58104

Job No: 178432

Serial No/Batch: S091277

Revision: 0

Inspector:

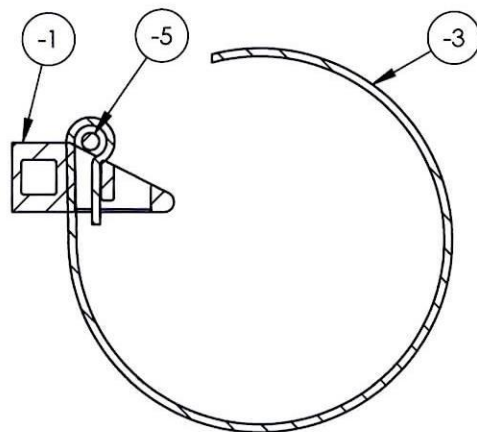
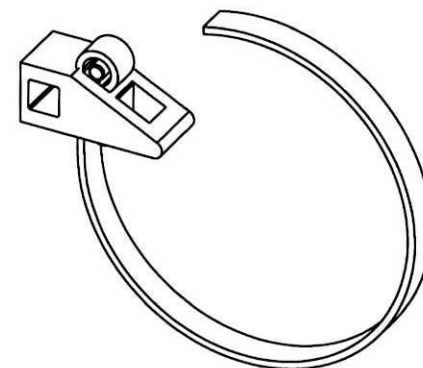
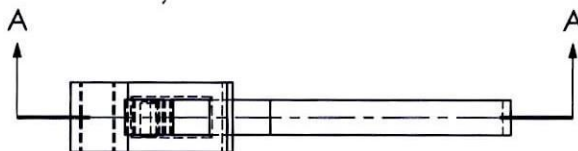
Exp Date:

Instructions:

Date: 07/12/18

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



SECTION A-A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 178432

20180710
2

NOTE:
REF. PRATT & WHITNEY T/N: PWC 58104. TOOL ALSO
MARKED WITH STI-02, REV-C.

DART AEROSPACE	
TITLE MINI-STRAP WRENCH	
DWG NO. RB PWC58104	REV
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	DRAWN BY: NELSON APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL
SCALE 1:2	DATE 5/21/2014

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	BLOCK	6061	3/4 X 7/8 X 1-7/8	2
		B/O	-3	1	STRAP	RUBBER	3/32 X 3/8 X 12 MCMASTER-CARR #8599K32	3
		B/O	-5	1	DOWEL PIN	STEEL	Ø3/16 X 3/8 MCMASTER-CARR #98381A503	1

178432 ✓

Page 1 of 1

Measured by:		Checked by:		QC Inspector:		
Date:		Date:		Date:		
Engineering Approval: (if necessary)				Date:		
Rev	Date	Change			Revised by	Approved
A	14.07.31	New Issue			KJ	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				